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|---|---|---------------------------------|--|---|--|--------------------------------|--|-----------|--|--|---|--|--|--|---|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | | 1. CONTRACT ID CODE | | PAGE OF PAGES 1 1 | | | | | | | | | |
| 2. AMENDMENT/MODIFICATION NO. 002 | | 3. EFFECTIVE DATE 12/23/2011 | | 4. REQUISITION/PURCHASE REQ. NO. | | 5. PROJECT NO. (If applicable) | | | | | | | | | |
| 6. ISSUED BY NASA/John F. Kennedy Space Center Office of Procurement MAIL CODE OP-OS KENNEDY SPACE CENTER FL 32899 | | CODE KSC | | 7. ADMINISTERED BY (If other than Item 6) NASA/Kennedy Space Center Office of Procurement MAIL CODE OP-OS KENNEDY SPACE CENTER FL 32899 | | CODE KSC | | | | | | | | | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) | | | | (x) | | | | | | | | | | | |
| | | | | 9A. AMENDMENT OF SOLICITATION NO. NNK11370724R | | | | | | | | | | | |
| | | | | 9B. DATED (SEE ITEM 11) 11/01/2011 | | | | | | | | | | | |
| | | | | 10A. MODIFICATION OF CONTRACT/ORDER NO. | | | | | | | | | | | |
| CODE | | | | FACILITY CODE | | | | | | | | | | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | | | | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. | | | | | | | | | | | | | | | |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required) | | | | | | | | | | | | | | | |
| 13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14. | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">CHECK ONE</td> <td>A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.</td> </tr> <tr> <td></td> <td>B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).</td> </tr> <tr> <td></td> <td>C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:</td> </tr> <tr> <td></td> <td>D. OTHER (Specify type of modification and authority)</td> </tr> </table> | | | | | | | | CHECK ONE | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. | | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). | | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: | | D. OTHER (Specify type of modification and authority) |
| CHECK ONE | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. | | | | | | | | | | | | | | |
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). | | | | | | | | | | | | | | |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: | | | | | | | | | | | | | | |
| | D. OTHER (Specify type of modification and authority) | | | | | | | | | | | | | | |
| E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office. | | | | | | | | | | | | | | | |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) | | | | | | | | | | | | | | | |

This amendment revises the RFP as described on page 2.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

| | | | |
|--|------------------|--|------------------|
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Erik C. Whitehill | |
| 15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign) | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA _____ (Signature of Contracting Officer) | 16C. DATE SIGNED |

The National Aeronautics and Space Administration, Kennedy Space Center, is pleased to issue Amendment 002 which resumes the Request for Proposal (RFP) for the Safety and Mission Assurance Support Services II (S-MASS II) acquisition.

Potential offerors are notified of the following changes:

1. Amendment 002 revises the SF33 Solicitation Cover page section 9 offer due date from 12/16/2011 to 2/6/2012.
2. Amendment 002 revises the SF33 Solicitation Cover page section 12 from 60 calendar days from the date of receipt of offers to 10/01/2012.
3. Revised Section A, *Table of Contents*, to update page references for Section H.
4. Revised Section B, *Supplies or Services and Prices/Costs*, in its entirety to update tables, values, and hours related to the change in the period of performance.
5. Revised clause F.2, *Period of Performance* to reflect the change in the period of performance.
6. Revised clause H.1(b), NFS 1852.209-71 *Limitation of Future Contracting*, to reflect the correct clause reference.
7. Renumbered KSC 52.204-96 Security Controls for KSC and CCAFS (April 2010) as H.6.
8. Revised applicability of clause H.8, *Controls Applicable To Contractor's Activities*.
9. Revised provision L.2.5, *Due Date for Receipt of Proposals*, to reflect the current proposal due date.
10. Revised provision L.2.7, *Communications Regarding this Solicitation*, to reflect the current question due date.
11. Revised provision L.3.1.5, *Labor Independent Government Estimate*, to reflect the current estimated total number of hours.
12. Revised provision L.3.3.2(a) Cost to reflect the updated spreadsheet names.
13. Revised provision L.3
14. .3.2, *Cost and Supporting Information*, specifically the Basic Cost Model Instructions for "Productive Hours Tab", "Direct Labor Rate Tabs," and "Standard Total Labor Hours Tabs" to reflect the change in the period of performance.
15. Revised provision L.3.5, *Volume V – Plans and other Data*, to reflect the correct clause reference.
16. Revised attachment L.3.7.2, *Labor Independent Government Estimate*, to reflect the change in the period of performance.
17. Revised attachment L.3.7.6, *Cost Templates*, to update tables, values, and hours related to the change in the period of performance.

The information included in the attached "content change pages" are to replace the current RFP pages.

All other areas of the RFP remain unchanged.

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SECTION B. SUPPLIES OR SERVICES AND PRICES/COSTS**B.1. CONTRACT VALUE****B.1.1 CONTRACT VALUE**

The estimated cost and award fee for this contract are summarized in **Table B.1.1**.

Table B.1.1 - Contract Value

| Description | Period of Performance | Mod | Estimated Cost | | | | Award Fee | Total |
|---------------------|-----------------------|-------|-----------------|---------------|---------------|-------|-----------|-------|
| | | | Level of Effort | Travel* | Other Direct* | Total | | |
| Base Year | 10/01/12 - 09/30/13 | BASIC | \$ - | \$ 120,742.00 | \$ 34,480.00 | \$ - | \$ - | \$ - |
| Unexercised Options | | | | | | | | |
| Option Year 1 | 10/01/13 - 09/30/14 | N/A | \$ - | \$ 120,742.00 | \$ 34,480.00 | \$ - | \$ - | \$ - |
| Option Year 2 | 10/01/14 - 09/30/15 | N/A | \$ - | \$ 120,742.00 | \$ 34,480.00 | \$ - | \$ - | \$ - |
| Option Year 3 | 10/01/15 - 09/30/16 | N/A | \$ - | \$ 121,267.00 | \$ 34,630.00 | \$ - | \$ - | \$ - |
| Cumulative Total | 10/01/12 - 09/30/13 | BASIC | \$ - | \$ 120,742.00 | \$ 34,480.00 | \$ - | \$ - | \$ - |

*Non fee bearing. These estimates are Government-provided "plug numbers" and actual cost for these elements will be reimbursed in accordance with FAR 52.216-7, Allowable Cost and Payment.

B.1.2 AVAILABLE AND EARNED AWARD FEE

The amount of award fee available and earned for each award fee period is specified in the table below. Available award fee that is not earned in any one period shall not be available in subsequent periods.

Table B.1.2 - Available and Earned Award Fee

| Period/Description | Mod No. | Available | Earned | Numerical Rating |
|---------------------|------------|-----------|--------|---------------------|
| Base Year | | \$ - | \$ - | |
| Unexercised Options | | | | |
| Option Year 1 | | \$ - | \$ - | |
| Option Year 2 | | \$ - | \$ - | |
| Option Year 3 | | \$ - | \$ - | |
| Cumulative Total | | | | |

In the event the actual level-of-effort provided during the base period should be less than 95 percent of the level-of-effort specified in **Table B.3** plus any Flex Options exercised within the period, and a downward adjustment is made as provided in **B.3**,

B.1.3 LABOR RATES FOR COMPUTING VALUE OF THE LEVEL-OF-EFFORT

The value of the level-of-effort for this contract shall be computed in accordance with the negotiated, fully burdened labor rates (excluding fee or profit) as shown in the table below.

Table B.1.3 - Labor Rates

| Labor Category | Fully Burdened Labor Rates* | | | |
|-----------------------------------|-----------------------------|------|------|------|
| | CY 1 | CY 2 | CY 3 | CY 4 |
| Program Manager | \$ - | \$ - | \$ - | \$ - |
| Supervisor | \$ - | \$ - | \$ - | \$ - |
| Independent Assessment Engineer A | \$ - | \$ - | \$ - | \$ - |
| Independent Assessment Engineer B | \$ - | \$ - | \$ - | \$ - |
| Independent Assessment Engineer C | \$ - | \$ - | \$ - | \$ - |
| Independent Assessment Engineer D | \$ - | \$ - | \$ - | \$ - |
| Range Safety Engineer A | \$ - | \$ - | \$ - | \$ - |
| Range Safety Engineer C | \$ - | \$ - | \$ - | \$ - |
| Range Safety Specialist | \$ - | \$ - | \$ - | \$ - |
| Metrology/Calibration Engineer | \$ - | \$ - | \$ - | \$ - |
| Software Assurance | \$ - | \$ - | \$ - | \$ - |
| Computer/IT | \$ - | \$ - | \$ - | \$ - |
| General Engineer A | \$ - | \$ - | \$ - | \$ - |
| General Engineer B | \$ - | \$ - | \$ - | \$ - |
| Safety Engineer A | \$ - | \$ - | \$ - | \$ - |
| Safety Engineer B | \$ - | \$ - | \$ - | \$ - |
| Safety Engineer C | \$ - | \$ - | \$ - | \$ - |
| Reliability Engineer A | \$ - | \$ - | \$ - | \$ - |
| Quality Engineer A | \$ - | \$ - | \$ - | \$ - |
| Quality Engineer B | \$ - | \$ - | \$ - | \$ - |
| Quality Engineer C | \$ - | \$ - | \$ - | \$ - |
| Safety Specialist A | \$ - | \$ - | \$ - | \$ - |
| Safety Specialist B | \$ - | \$ - | \$ - | \$ - |
| Safety Specialist C | \$ - | \$ - | \$ - | \$ - |
| Database Administrator | \$ - | \$ - | \$ - | \$ - |
| Administrator | \$ - | \$ - | \$ - | \$ - |
| Secretarial/Clerical | \$ - | \$ - | \$ - | \$ - |
| Technical Writer** | \$ - | \$ - | \$ - | \$ - |
| Technical Expert A** | \$ - | \$ - | \$ - | \$ - |
| Technical Expert B** | \$ - | \$ - | \$ - | \$ - |
| Technical Expert C** | \$ - | \$ - | \$ - | \$ - |
| Technical Expert D** | \$ - | \$ - | \$ - | \$ - |

* Excluding any fee or profit

**As needed basis

B.2 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

For purposes of payment of cost and fee in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract and the period of performance covered by these amounts are specified in the table below.

Table B.2 - Contract Funding

| As of Mod No. | Contract Value | | Allotted Cost | | Allotted Award Fee | | Total | Adequate Through |
|----------------------|-----------------------|---|----------------------|---|---------------------------|---|--------------|-------------------------|
| BASIC | \$ | - | \$ | - | \$ | - | \$ - | |
| Cumulative Total | \$ | - | \$ | - | \$ | - | \$ - | |

B.3 LEVEL-OF-EFFORT

- (a) During the term of the contract, the contractor is obligated to provide not less than 95 percent, nor more than 105 percent of the total labor hours as specified in the table below, unless directed by the contracting officer as specified in paragraph (c) of this clause.

Table B.3 - Level-of-Effort

| Description | Base Year | Option Year 1 | Option Year 2 | Option Year 3 | Summary Total |
|-----------------------|-----------|---------------|---------------|---------------|---------------|
| Level-of-effort hours | 104,880 | 104,880 | 104,880 | 105,336 | 472,416 |
| Flex option hours | 42,320 | 42,320 | 42,320 | 42,504 | 169,464 |
| Total potential hours | 147,200 | 147,200 | 147,200 | 147,840 | 589,440 |

- (b) Labor hours are those productive hours expended by contractor personnel performing work under this contract that are charged as direct labor under the contractor's established accounting policy and procedures. The term does not include sick leave, vacation leave, or any type of administrative leave but does include direct labor hours provided under level-of-effort subcontracts.
- (c) Once the maximum number of direct labor hours is reached or the contract term has ended, the contractor's requirements under the contract are fulfilled, even though the specified work may not have been completed. The contractor is not authorized to exceed 105 percent of the direct labor hours specified in **B.3** within each contract period unless the contracting officer has issued a Flex Option in accordance with the clause at **F.3**. Any estimated cost and fee adjustments for any additional direct labor hours shall be based solely upon the quantity of additional hours being added to the maximum number of direct labor hours specified in this clause.
- (d) The fee, if any, is based upon the furnishing of at least the specified minimum number of direct labor hours, including subcontract hours for each period. If the contractor provides less than specified minimum number of hours prior to expiration of the contract term, and the Government has not invoked its rights under the termination clause of this contract to adjust the contract for such reduced effort, the contracting officer may unilaterally make an equitable downward adjustment to the contract fee. The downward adjustment in fee will be based upon the difference between the minimum direct labor hours specified under this clause and the amount of direct labor hours provided by the contractor.
- (e) Prior to making such an adjustment, the contracting officer will request the contractor provide a written discussion of any extenuating circumstances (e.g., productivity improvements or reductions in contract scope), which contributed to the under-run. Any information provided by the contractor will be considered by the contracting officer in determining the amount of the downward adjustment in fee.

(End of clause)

SECTION F. DELIVERIES AND PERFORMANCE**F.1 FAR 52.242-15 STOP-WORK ORDER. (AUG 1989) - ALTERNATE I (APR 1984)**

- (a) The Contracting Officer may, at any time, by written order to the Contractor, require the Contractor to stop all, or any part, of the work called for by this contract for a period of 90 days after the order is delivered to the Contractor, and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Contractor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. Within a period of 90 days after a stop-work is delivered to the Contractor, or within any extension of that period to which the parties shall have agreed, the Contracting Officer shall either -
- (1) Cancel the stop-work order; or
 - (2) Terminate the work covered by the order as provided in the Termination clause of this contract.
- (b) If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule, the estimated cost, the fee, or a combination thereof, and in any other terms of the contract that may be affected, and the contract shall be modified, in writing, accordingly, if -
- (1) The stop-work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract; and
 - (2) The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided, that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.
- (c) If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.
- (d) If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

(End of clause)

F.2 PERIOD OF PERFORMANCE

The period of performance of this contract is as follows:

Phase-in: September 1, 2012 through September 30, 2012

Base Year: October 1, 2012 through September 30, 2013

Option Year 1: October 1, 2013 through September 30, 2014

Option Year 2: October 1, 2014 through September 30, 2015

Option Year 3: October 1, 2015 through September 30, 2016

(End of clause)

SECTION H. SPECIAL CONTRACT REQUIREMENTS**H.1 NFS 1852.209-71 LIMITATION OF FUTURE CONTRACTING. (DEC 1988)**

- (a) The Contracting Officer has determined that this acquisition may give rise to a potential organizational conflict of interest. Accordingly, the attention of prospective offerors is invited to FAR Subpart 9.5 - Organizational Conflicts of Interest.
- (b) The nature of this conflict is: An unfair competitive advantage, existence of conflicting roles that might bias the Contractor's judgment, and potential for access to other contractor's confidential business information. See the clause at H.13.
- (c) The restrictions upon future contracting are as follows:
 - (1) If the Contractor, under the terms of this contract, or through the performance of tasks pursuant to this contract, is required to develop specifications or statements of work that are to be incorporated into a solicitation, the Contractor shall be ineligible to perform the work described in that solicitation as a prime or first-tier subcontractor under an ensuing NASA contract. This restriction shall remain in effect for a reasonable time, as agreed to by the Contracting Officer and the Contractor, sufficient to avoid unfair competitive advantage or potential bias (this time shall in no case be less than the duration of the initial production contract). NASA shall not unilaterally require the Contractor to prepare such specifications or statements of work under this contract.
 - (2) To the extent that the work under this contract requires access to proprietary, business confidential, or financial data of other companies, and as long as these data remain proprietary or confidential, the Contractor shall protect these data from unauthorized use and disclosure and agrees not to use them to compete with those other companies.

(End of clause)

H.2. NFS 1852.223-70 SAFETY AND HEALTH. (APR 2002)

- (a) Safety is the freedom from those conditions that can cause death, injury, occupational illness, damage to or loss of equipment or property, or damage to the environment. NASA's safety priority is to protect: (1) the public, (2) astronauts and pilots, (3) the NASA workforce (including contractor employees working on NASA contracts), and (4) high-value equipment and property.
- (b) The Contractor shall take all reasonable safety and occupational health measures in performing this contract. The Contractor shall comply with all Federal, State, and local laws applicable to safety and occupational health and with the safety and occupational health standards, specifications, reporting requirements, and any other relevant requirements of this contract.
- (c) The Contractor shall take, or cause to be taken, any other safety, and occupational health measures the Contracting Officer may reasonably direct. To the extent that the Contractor may be entitled to an equitable adjustment for those measures under the terms and conditions of this contract, the equitable adjustment shall be determined pursuant to the procedures of the changes clause of this

- (e) When the NASA installation grants administrative leave to its Government employees (e.g., as a result of inclement weather, potentially hazardous conditions, or other special circumstances), Contractor personnel working on-site should also be dismissed. However, the contractor shall provide sufficient on-site personnel to perform round-the-clock requirements of critical work already in process, unless otherwise instructed by the Contracting Officer or authorized representative.
- (f) Whenever administrative leave is granted to Contractor personnel pursuant to paragraph (e) of this clause, it shall be without loss to the Contractor. The cost of salaries and wages to the Contractor for the period of any such excused absence shall be a reimbursable item of cost under this contract for employees in accordance with the Contractor's established accounting policy.

(End of clause)

H.6 KSC 52.204-96 SECURITY CONTROLS FOR KSC AND CCAFS (APRIL 2010)

(a) Identification of Employees

1. Badging

- i. Kennedy Space Center (KSC) badging is mandatory for all Contractor personnel who require access to KSC and National Aeronautics and Space Administration (NASA) facilities located on Cape Canaveral Air Force Station (CCAFS). Badging Requirements are in accordance with KNPR 1600.1, KSC Security Procedural Requirements, located at this public website: <http://tdglobal.ksc.nasa.gov/ReferencedDocuments/>. Badges must be obtained before personnel may access the work site and the contractor is responsible for submitting complete, accurate, and timely security investigation and badge request information. The government is not liable for any project delays resulting from the contractor's failure to provide required information or the contractor's inability to achieve favorable investigative results.
- ii. Prior to performance, the contractor shall submit the following information to the Contracting Officer, who will certify and pass the information to the KSC Badging Office.
 - 1. Contract number and location of work site(s);
 - 2. Contract commencement and completion dates;
 - 3. Status as prime or subcontractor; and,
 - 4. Name of the contractor designated security/badging official.
 - 5. A KSC Form 28-1222V2, (KSC Visitor Badge Request) and/or KSC Form 28-889 (KSC Visitor Badge/Multiple) for all employees requiring access to KSC or CCAFS.Note: This is the minimum paperwork required for issuance of identification badges.
- iii. Security forms for employee investigations under this clause (Paragraph 2) shall be submitted by the contractor as soon as possible but in no case more than thirty days from initial badging.

i. The NASA Protective Services Office, or its designee, PSSO, will determine whether the person is eligible for unescorted access within 14 business days after the receipt of the properly completed forms.

ii. One or more on-site training classes will be required for admittance to the controlled access areas. The total training will not exceed four hours. Contractors may schedule any required training for their employees by contacting the COTR or designee. The contractor shall maintain a record of employees receiving the training.

(End of clause)

H.7 KSC 52.223-121 REPORTING OF INCIDENTS INVOLVING WORKPLACE VIOLENCE (JUL 2008)

The contractor shall conduct training on and develop procedures for recognizing, managing and responding to incidents and threats of workplace violence as defined in NASA Policy Directive (NPD) 1600.3. Contractors shall also promptly report all incidents involving workplace violence to the Protective Services Office. If the NASA Workplace Violence Prevention and Response (WVPR) Team Chair and Co Chair determine it is appropriate for the committee to meet, the contractor shall participate in the meeting. The contractor is also responsible for reporting disposition of the incident reported to the NASA WVPR Team.

This requirement shall flow down to the subcontractors, however the subcontractors shall report up through the prime contractor.

(End of clause)

H.8 KSC 52.242-90 CONTROLS APPLICABLE TO CONTRACTOR'S ACTIVITIES (OCT 2011)

The Contractor shall comply with the publications below, and subsequent revision thereof, that the Contracting Officer has indicated as being incorporated in this contract by reference. These publications prescribe regulatory and procedural criteria which are applicable to this contract. The contractor shall promptly take corrective action upon notice of noncompliance from the Contracting Officer or his/her authorized representative(s) with any provision of the publications listed below.

The following compliance documents may be found at:

<http://tdglobal.ksc.nasa.gov/ReferencedDocuments/>

| Publication | Title |
|-------------|--|
| KNPR 8715.2 | Comprehensive Emergency Management Plan |
| KNPR 1600.1 | KSC Security Procedural Requirements |
| KNPR 8500.1 | KSC Environmental Management |
| KNPR 8715.3 | KSC Safety Practices Procedural Requirements |

| <i>Check if Applicable</i> | Publication | Title |
|----------------------------|-------------|-------------------------------------|
| ✓ | KNPD 1810.1 | KSC Occupational Medicine Program |
| ✓ | KNPR 1820.3 | KSC Hearing Loss Prevention Program |

| | | |
|---|--------------|---|
| ✓ | KNPR 1820.4 | KSC Respiratory Protection Program |
| ✓ | KNPR 1840.19 | KSC Industrial Hygiene Programs |
| ✓ | KNPR 1860.1 | KSC Ionizing Radiation Protection Program |
| ✓ | KNPR 1860.2 | KSC Nonionizing Radiation Protection Program |
| ✓ | 45SWI40-201 | 45th Space Wing Instruction 40-201 Radiation Protection Program |
| ✓ | KNPD 1800.2 | KSC Hazard Communication Program |
| ✓ | KNPR 1870.1 | KSC Sanitation Program |
| ✓ | KNPR 2570.1 | KSC Radio Frequency Spectrum Management Procedural Requirements |
| ✓ | KNPR 4000.1 | Supply and Equipment System Manual |
| ✓ | KNPR 6000.1 | Transportation Support System |
| ✓ | KNPR 8830.1 | Facilities and Real Property Management Procedural Requirements |

(End of clause)

H.9 KSC 52.242-93 CONTRACTOR WORKFORCE REPORT - ONSITE CONTRACTORS AND SUBCONTRACTORS (OCT 2006)

The Contractor shall submit, on a quarterly basis, a manpower report delineating information about its workforce. The report shall include: the contract number, the contractor's total on-site workforce, total on-site union represented employees by bargaining unit, total on-site non-union represented employees, and total off-site workforce performing on the contract. The Contractor shall provide this information no later than 10 days after the close of each reporting period which end March 31st, June 30th, September 30th, and December 31st. The report shall be submitted to the Contracting Officer with copies to Workforce Planning and Analysis Office, (Code BA-D) and Industrial Labor Relations Office (Code OP).

(End of clause)

H.10 KSC 52.245-90 MANAGEMENT OF NASA-OWNED/CONTRACTOR-HELD RECORDS (SEP 2009)

(a) NASA-owned/Contractor-held records shall be maintained by the Contractor in accordance with the instructions set forth in the latest editions of NPD 1440.6, NASA Records Management Program, NPR 1441.1, NASA Records Retention Schedules, and KNPD 1440.1, KSC Records Management and Vital Records Programs and, KDP-KSC-P-1881 Records Management. As directed by the Contracting Officer, the Contractor shall obtain prior approval from the Contracting Officer to destroy or remove records subject to this clause.

(b) NASA-owned/Contractor-held records shall consist of documentation of Contractor activities and functions necessary for the performance of this contract, including, but not limited to, documentation of those day-to-day operating procedures that are essential to carrying out the statement of work and those actions, organizational structure, policies, decisions, operations, and activities necessary to perform or continue the work performed under the contract. NASA-owned/Contractor-held records shall not include those Contractor records that relate exclusively to the Contractor's internal business or

L.2.4 COPIES OF PROPOSALS

2 electronic copies on compact disks shall be provided with 5 hardcopies (paper) of the proposals by the due date specified in **L.2.5**. In addition to the copies provided for NASA review, offerors shall also provide one copy of Volume IV Cost/Price, to DCAA in accordance with the provision at **L.3.3.1**.

(End of provision)

L.2.5 DUE DATE FOR RECEIPT OF PROPOSALS

To be considered, the due date for receipt of proposals, whether delivered by the offeror or by a commercial courier is listed in the table below.

| Due Date | Volume | Title | Time Due | Delivery Location Ref. | No. of Copies |
|------------|--------|----------------------|-----------|------------------------|---------------|
| 02/06/2012 | I | Management Approach | 1630 EST* | L.2.6 | 7 |
| 02/06/2012 | II | Technical Approach | 1630 EST* | L.2.6 | 7 |
| 02/06/2012 | III | Cost | 1630 EST* | L.2.6, L.3.3.1 | 7 |
| 02/06/2012 | IV | Past Performance | 1630 EST* | L.2.6 | 7 |
| 02/06/2012 | V | Plans and Other Data | 1630 EST* | L.2.6 | 7 |
| 02/06/2012 | VI | Model Contract | 1630 EST* | L.2.6 | 7 |

*EST – Eastern Standard Time

L.2.6 DELIVERY INSTRUCTIONS FOR BIDS/PROPOSALS

- (a) Delivery Address: All offers (bids or proposals) shall be delivered to the Central Industry Assistance Office (CIAO), 7110 N. Courtenay Parkway, Merritt Island, Florida 32953 on or before the date and time set for receipt of proposals or bids. The CIAO is located on State Road 3, approximately 2 miles south of Gate 2 to KSC. Access to KSC is not required. In addition, proposal package labels (applicable to mailed and hand-delivered proposals) shall contain the solicitation number, the name and address of the offeror, and be made to the attention of Erik Whitehill, Telephone: 321-867-5504.
- (b) Hand-Delivered Offers: Offerors are responsible for assuring that hand-carried bids are either received by NASA Government employees at the CIAO or dropped in the CIAO mail box located outside of the building.
- (c) Late Delivery of Offers/Bids: Late offers/bids will be processed in accordance with FAR 52.215-1, "Instructions to Offerors - Competitive Acquisition," included in this solicitation.

(End of provision)

L.2.7 COMMUNICATIONS REGARDING THIS SOLICITATION

Questions or comments regarding this solicitation must be submitted in writing to Erik Whitehill (refer to page 1, Standard Form 33, Block 10C). Oral questions will not be answered due to the possibility of misunderstanding or misinterpretation. Questions or comments should be submitted by **January 9, 2012, at 1800 hours Eastern Standard Time (EST)** to allow for analysis and dissemination of responses in advance of the proposal due date. Late questions or comments are not guaranteed a response prior to the proposal due date.

(End of provision)

résumé format specified in **Attachment L.3.7.4** for all personnel designated as key. For each key person, describe the pertinent aspects of their experience that matches their proposed roles and responsibilities in performance of the contract.

- (b) Subject Matter Specialist (SMS): SMS are personnel, other than key, for all labor categories specified in **Attachment L.3.7.1** that require 10 or more years experience. For each SMS, describe how their experience matches their proposed roles and responsibilities in performance of the contract.
- (c) Technical Experts: The demand for technical experts varies both in quantity and field of expertise during the course of contract performance. Due to these variations, offerors shall identify the mechanism (e.g., fulltime employee, consultant, subcontractor) they will use for providing technical experts.
- (d) Commitment to Contract: For all personnel identified as key, the proposal shall include:
 - (1) For those that are current employees of the offeror or of a proposed subcontractor, the offeror's certification that they will be assigned to the proposed contract at the beginning of performance;
 - (2) For those that are proposed hires of the offeror or of a proposed subcontractor, a letter of commitment to the proposed contract at the beginning of performance. The letters of commitment may be attached to resumes and will not be counted as part of the page limit specified in **L.2.2**.
 - (3) Offerors shall also provide and explain the minimum qualification standards (e.g. training, certifications, type and length of experience) that will be used to replace key personnel, if required, during the term of the contract for each key position.

L.3.1.4 STANDARD LABOR CATEGORIES

A set of Standard Labor Categories (SLC) is presented in the **Attachment L.3.7.1** to provide offerors insight into the qualifications and experience reflective of the personnel currently performing many of the requirements of the SOW and which generally indicate the level of qualifications and experience the Government considers necessary for effective performance. These guidelines may not address all the possible specific skills, or requirements that any one occupation or profession may require.

It is the offeror's responsibility to understand the complexities of the work required to successfully meet the S&MA requirements. Offerors may propose/substitute labor categories that cannot be easily or logically mapped to those provided in the table below. Job descriptions (including qualifications) shall be provided for the proposed/substitute labor categories.

L.3.1.5 LABOR INDEPENDENT GOVERNMENT ESTIMATE (IGE)

A Labor IGE has been developed and is included in **Attachment L.3.7.2**. The labor IGE is the Government's estimate of the labor resources required to perform this effort. The labor IGE reflects the total number of hours the Government estimates to be required and, therefore, is fixed at 104,880 (for the 12 month base period). The labor IGE estimate includes all labor required to perform the entire SOW with the exception of traditional G&A type personnel such as: sales, human resources, finance, legal, procurement, and executives. Offerors have discretion only to change the skill mix used; proposals must match the total hours provided in the table below.

web site is accessed, click the "CONUS" link under "Audit Office Locator". Enter your company's 5 digit Zip Code in the area provided and click on the adjacent "search" button. (It is important that you enter the 5 digit Zip Code for your company location where auditable books and records supporting amounts in your proposal physically reside.) Once the search is completed, the cognizant field audit office's physical and E-Mail addresses and Voice and FAX telephone numbers will be displayed.

L.3.3.2 COST AND SUPPORTING INFORMATION

(a) Cost

- (1) Cost Summaries: Attachment L.3.7.6 (Cost Templates) shall be used to capture proposed costs. The offeror shall append the name of MS-Excel workbooks to add offeror identification and complete the cost forms showing proposed costs in the following groups:
 - (i) BASIC COST MODEL (FINAL) WORKBOOK (MS-EXCEL File "SMASS II Cost Model – Amend 002.xlsm")
 - (ii) RATES and FACTOR MODEL(FINAL) WORKBOOK (MS-EXCEL File "SMASS II Rates and Factors – Amend 002.xlsm")
Overarching (links to the cost model proposal group).
- (2) Use of Historical Experience: where cost estimates are based upon historical experience, identify the experience, explain how the experience relates to the current effort, including similarities and differences, and how cost data available from the experience was adapted to the current effort. Include in Basis of Estimate for the appropriate SOW.
- (3) Cost not subject to fee: Standardized values by SOW are provided by the Government for travel, and other direct costs (e.g. training and conferences). These costs shall be included in the offeror's cost proposal and shall not be adjusted or changed.

(b) Direct Labor

- (1) Estimated Labor Hours: Offerors shall provide labor details by CY(Contract Year) for each direct labor classification. Total labor hours are provided by labor classifications. However, it is offeror's responsibility to ensure subcontractors' proposed labor hours are subtracted from total labor hours provided. Productive hours may vary by categories of labor (i.e., exempt versus non-exempt). The offeror shall calculate the WYE from the proposed labor hours.
- (2) Escalation Factors: Provide calculations and rationale on how escalation factors were developed in sufficient detail to allow analysis of the rates proposed.

(c) Subcontractors' Cost

- (1) Offeror(s) shall provide a cost summary for all proposed subcontractor(s) and include a description of effort, the type of contract, and total estimated cost using the provided cost forms. Offerors shall provide an analysis of all proposed subcontract costs in accordance with FAR 15.404-3(b). Offerors shall identify all adjustments made to subcontractor proposed costs.
- (2) Attachment L.3.7.6 (Cost Templates) shall be used to capture major subcontractor cost related data. Offerors shall submit productive hours, burden rates, Collective Bargaining

Agreement (CBA) / Service Contract Act (SCA) occupational titles, and all other costs associated with the offerors subcontractor proposal by SOW by Contract Year (CY). Note that productive hours may vary by category of labor (i.e., exempt versus non-exempt).

- (3) All major subcontractor data shall be submitted in accordance with provision L.15, Proposal Submission. Subcontractors may submit Attachment L.3.7.6 (Cost Templates) directly to the Contracting Officer if this cost information is considered proprietary data. Please ensure all proprietary data is marked appropriately. Printed hardcopies of the subcontractor completed Attachment L.3.7.6 (Cost Templates) should be limited to worksheets with data.
- (d) Electronic Spreadsheets: The offeror shall use the cost files provided in Attachment L.3.7.6 (Cost Templates). The offeror shall ensure adequate cross-referencing between the detailed spreadsheets and the cost summary.
- (e) Standardized Proposal Values: Standardized proposal values are pre-populated in the Cost Templates. The offeror shall identify any deltas from these standardized values in sufficient detail to allow evaluation.
- (f) Instructions for Attachment L.3.7.6 Cost templates (worksheets)

BASIC COST MODEL (FINAL) WORKBOOK - Offerors shall input data in green areas of excel worksheets. Other areas in white are protected.

- 1. Unions Tab: The offeror shall identify the name of the union(s) and the productive hours used for each union associated with this proposal. The calculations should show the total number of available hours by year less the total hours estimated for holidays, vacation time, sick hours, and other. The offeror shall also include all non-represented non-exempt productive hours on this form.
- 2. Labor Classification Tab: The offeror shall use this form to identify: labor classifications (LC), exempt/non-exempt status. Include escalation by each labor classification proposed.
- 3. LC Conversion Tab: This form shall be used to map the offerors labor classification in the cost forms to the classifications used by the Government.
- 4. Fee & OH Determination Tab: The offeror shall identify the fee to be proposed for basic/option workload CY1 through CY4. Also, identify the elements of cost which have overhead, G&A and fee applied.
- 5. Productive Hours Tab (exempt employees): The number of Productive Hours per WYE for the base year and option years 1~2 are 1840, and option year 3 is 1848. Productive hour calculations should show the total number of available hours by year, the total hours estimated for holidays, vacation time, sick hours, and other. Specify in the notes section provided how the figure was calculated (e.g. 2080 available hours per year – 110 hours vacation – 50 hours sick – 80 hours holiday =1840 Productive Hours).
- 6. Subcontractor Lists Tab: The offeror shall identify the subcontractor name, type of contract, size of contract (major or minor) and small business classification if applicable.
- 7. ODC Tab: Other Direct Costs (ODC) are standard values provided to offerors.
- 8. Subcontractor by SOW Tab: This tab is for each subcontractor (include major and minor subcontractors) to fill out. The offeror shall include the Name of Subcontractor, Major/Minor designation, SOW being performed, Subcontractor Labor Categories, Productive Straight Time hours, Straight Time Rates, and indirect rates (Fringe, Overhead, and G&A) according

to each labor category proposed. It is offerors' responsibility to make sure prime and subcontractors proposed hours match government provided total hours. Prime will submit wrap rate (i.e. fully burdened rates less fee) when individual rate components are unknown. Subcontractors will submit Fringe, Overhead, and G&A rates as appropriate. This information may be sent directly to the Government if information is proprietary.

9. SubCon W-Fee Summary Tab: This is a summary form for Subcontracts with fee. Enter subcontractor name, total cost, and WYEs (Regular Hours / Amount of Productive Hours equal to 1 WYE. Amounts should be equal to the sum of the appropriate "Subcontractor by SOW" tabs.
10. Insurance Tab: This form provides a standard format to disclose by insurance category, insurance costs proposed. Identify the type and amount of insurance costs to be charged to the contemplated contract. Cost data in this tab is informational and does not link or sum to any other tab. Include supporting information, quantities, unit costs, and the bases of estimate, geographical locations and other descriptive data pertaining to the items. Reference NFS 1852.228-75 Minimum Insurance Coverage.
11. Direct Labor Rate Tabs: (Base Year and Option Years 1~3). These tabs allow labor rate inputs only in Base Year, which is the first year of the contract. Option Years 1 through 3 will be populated based on the escalation factors established in the Labor Classification tab.
12. Rates and Factor Summary Tab. This form is populated from the Rates and Factor Summary worksheet in the Rates and Factors Cost Model.
13. Standard Total Labor Hours Tabs: (Base Year and Option Years 1~3). These worksheets contain the Government's Labor IGE. These estimates represent the Government's approximation of the staffing levels needed for accomplishing the requirement without incorporating any one offeror's specific management and technical approach. Offerors must bid the total LOE hours included in the tabs but may alter the skill mix to better suit the proposed technical and management approaches. It is the prime offerors' responsibility to correctly subtract subcontractor proposed hours from total LOE hours provided.
14. Total Tab: This tab sums the offeror proposed contract pricing. This is populated from other forms and requires no input from the offeror.
15. SOW Tabs: Cost Sheets by SOW automatically populate Labor Burdens, (e.g. Fringe), Overhead (OH), General & Administrative (G&A), and Fee when offeror completes the indirect Rates and Factors Summary tab. Offerors with additional indirect rates shall complete the appropriate "Other Rate" cost worksheet and capture the associated cost(s) in the green input boxes. The offeror shall ensure sufficient supporting documentation to allow evaluation of the offeror's proposed methodology to include sample calculations. Note: When inputting data into these cost worksheets, verify calculations are appropriately capturing the offerors proposed cost. Forms display the costs associated with each SOW section.
16. The following forms are populated from other forms and requires no input from the offeror:
 - i. Dir Lab Straight Time Rate Sum Tab
 - ii. Dir Lab Effective Rate Summary Tab
 - iii. Dir Lab Overtime Rate Sum Tab
 - iv. Cost by SOW Tab
 - v. WYE by SOW Tab
 - vi. Non-Labor Cost by SOW
 - vii. Labor Cost by SOW
 - viii. SOW Structure Tab

L.3.5 VOLUME V - PLANS AND OTHER DATA

- (a) In consideration of the clauses at **H.1** and **H.13**, offerors shall provide a summary plan on how they will avoid or mitigate any conflicts of interest which currently exist.
- (b) Risk Management and Mitigation Summary: Discuss the proposed risk management approach and how it relates to potential areas of risk to performance, including the probability of the risk occurring, the impact, and severity of the risk. In addition, provide an overview of your proposed risk management process, including identification, analysis, planning, tracking, control, communication, and documentation of risk.
- (c) Safety and Health Plan: The offeror shall submit for evaluation a Safety and Health Plan in accordance with the provision at **L.1.5**.
- (d) Phase-in Plan: The offeror shall describe the overall strategy and approach for ensuring a smooth and seamless transition of personnel for effective and efficient operations and without any disruption in services. The offeror's phase-in plans shall include the phase-in time required for badging requirements and background checks, as indicated in FAR 52.204-9, the method by which current technical directives will be transitioned to the new contract with minimal impact, and any other issues deemed critical to a successful transition from current contracts to this follow-on effort.
- (e) Total Compensation Plan: Total compensation plans are required in accordance with FAR 52.222-46, Evaluation of Compensation for Professional Employees. The compensation package shall be described in terms of its capability to support recruitment and to retain employees. The compensation levels proposed shall reflect a clear understanding of the work to be performed as evidenced by the capability of the proposed compensation structure to obtain and keep suitably qualified personnel to meet S-MASS II requirements. The offeror shall also describe its policy on the hiring of incumbents, including recognition of seniority, protection of current wages/salaries and fringe benefit coverage, and incentives to motivate and reward performance and encourage the retention of personnel.

L.3.6 VOLUME VI - MODEL CONTRACT

Offerors shall provide the following information in Volume VI of their proposal: Completed Standard Form 33, signed by an official authorized to bind the company, and a completed model contract (Sections A - K). In addition, in order to facilitate the possibility of award without discussions, three of the five requested completed contracts shall be signed originals.

L.3.7 ATTACHMENTS

| Attach. No. | Title | No. of Pages |
|--------------------|--|---------------------|
| L.3.7.1 | Standard Labor Categories | 2 |
| L.3.7.2 | Labor Independent Government Estimate | 5 |
| L.3.7.3 | Sample Tasks | 1 |
| L.3.7.4 | Résumé Format | 1 |
| L.3.7.5 | Present/Past Performance Questionnaire | 7 |
| L.3.7.6 | Cost Templates | 33 |

| Standard Labor Categories Base Year | 7.1 Integration | 7.2 Safety, Reliability, and Maintainability | 7.3 Quality Program | 7.4 Human Factors Engineering | 7.5 Safety and Mission Assurance Enhancements | 7.6 Training Development | 7.7 Range Safety | 7.8 Independent Assessments | 7.9 Metrology | 7.10 Expendable Launch Vehicle (ELV) Payload S&MA Program | 7.11 Information Technology | Summary Total |
|--|-----------------|--|---------------------|-------------------------------|---|--------------------------|------------------|-----------------------------|---------------|--|-----------------------------|----------------|
| Administrator | 3,680 | | | | | | | | | | | 3,680 |
| Computer/IT | | | | | | | | | | | 1,840 | 1,840 |
| Database Administrator | | | | | | | | | | | 1,840 | 1,840 |
| ELV Safety Engineer A | | | | | | | | | | 1,840 | | 1,840 |
| General Engineer A | | 1,840 | | | | | | | | | | 1,840 |
| General Engineer B | 920 | 1,840 | | | | 920 | | | | | | 3,680 |
| Independent Assessment Engineer A | | | | | | | | 3,680 | | | | 3,680 |
| Independent Assessment Engineer B | | | | | | | | 3,680 | | | | 3,680 |
| Independent Assessment Engineer C | | | | | | | | 3,680 | | | | 3,680 |
| Independent Assessment Engineer D | | | | | | | | | | | | - |
| Metrology/Calibration Engineer | | | | | | | | | 3,680 | | | 3,680 |
| Program Manager | 1,840 | | | | | | | | | | | 1,840 |
| Quality Engineer A | | | 3,680 | | | | | | | 1,840 | | 5,520 |
| Quality Engineer B | | | 1,840 | | | | | | | 5,520 | | 7,360 |
| Quality Engineer C | | | 3,680 | | | | | | | 1,840 | | 5,520 |
| Range Safety Engineer A | | | | | | | 1,840 | | | | | 1,840 |
| Range Safety Engineer C | | | | | | | 3,680 | | | | | 3,680 |
| Range Safety Specialist | | | | | | | 1,840 | | | | | 1,840 |
| Reliability Engineer A | | 1,840 | | | | | | | | | | 1,840 |
| Safety Engineer A | | 3,680 | | | | | | | | | | 3,680 |
| Safety Engineer B | | 6,440 | | 920 | | | | | | 1,840 | | 9,200 |
| Safety Engineer C | | 7,360 | | | | | | | | | | 7,360 |
| Safety Specialist A | | | | | | | | | | | | - |
| Safety Specialist B | | 7,360 | | | | | | | | | | 7,360 |
| Safety Specialist C | | 3,680 | | | | | | | | | | 3,680 |
| Secretarial/Clerical | 920 | | | | | 920 | | | | | | 1,840 |
| Software Assurance | | | | | 3,680 | | | | | | | 3,680 |
| Supervisor | 1,840 | | | | | | | | | | | 1,840 |
| Technical Expert A* | | | | | | | | | | | | - |
| Technical Expert B* | | | | | | | | | | 1,840 | | 1,840 |
| Technical Expert C* | | | | | | | | | | 1,840 | | 1,840 |
| Technical Expert D* | | | | 920 | 920 | | | | | | | 1,840 |
| Technical Writer* | 1,840 | | | | | | | | | | | 1,840 |
| Total Hours | 11,040 | 34,040 | 9,200 | 1,840 | 4,600 | 1,840 | 7,360 | 11,040 | 3,680 | 16,560 | 3,680 | 104,880 |

*As needed basis

| Standard Labor Categories Option 1 | 7.1 Integration | 7.2 Safety, Reliability, and Maintainability | 7.3 Quality Program | 7.4 Human Factors Engineering | 7.5 Safety and Mission Assurance Enhancements | 7.6 Training Development | 7.7 Range Safety | 7.8 Independent Assessments | 7.9 Metrology | 7.10 Expendable Launch Vehicle (ELV) Payload S&MA Program | 7.11 Information Technology | Summary Total |
|---------------------------------------|-----------------|---|---------------------|-------------------------------|--|--------------------------|------------------|-----------------------------|---------------|--|-----------------------------|----------------|
| Administrator | 3,680 | | | | | | | | | | | 3,680 |
| Computer/IT | | | | | | | | | | | 1,840 | 1,840 |
| Database Administrator | | | | | | | | | | | 1,840 | 1,840 |
| ELV Safety Engineer A | | | | | | | | | | 1,840 | | 1,840 |
| General Engineer A | | 1,840 | | | | | | | | | | 1,840 |
| General Engineer B | 920 | 1,840 | | | | 920 | | | | | | 3,680 |
| Independent Assessment Engineer A | | | | | | | | 3,680 | | | | 3,680 |
| Independent Assessment Engineer B | | | | | | | | 3,680 | | | | 3,680 |
| Independent Assessment Engineer C | | | | | | | | 3,680 | | | | 3,680 |
| Independent Assessment Engineer D | | | | | | | | | | | | - |
| Metrology/Calibration Engineer | | | | | | | | | 3,680 | | | 3,680 |
| Program Manager | 1,840 | | | | | | | | | | | 1,840 |
| Quality Engineer A | | | 3,680 | | | | | | | 1,840 | | 5,520 |
| Quality Engineer B | | | 1,840 | | | | | | | 5,520 | | 7,360 |
| Quality Engineer C | | | 3,680 | | | | | | | 1,840 | | 5,520 |
| Range Safety Engineer A | | | | | | | 1,840 | | | | | 1,840 |
| Range Safety Engineer C | | | | | | | 3,680 | | | | | 3,680 |
| Range Safety Specialist | | | | | | | 1,840 | | | | | 1,840 |
| Reliability Engineer A | | 1,840 | | | | | | | | | | 1,840 |
| Safety Engineer A | | 3,680 | | | | | | | | | | 3,680 |
| Safety Engineer B | | 6,440 | | 920 | | | | | | 1,840 | | 9,200 |
| Safety Engineer C | | 7,360 | | | | | | | | | | 7,360 |
| Safety Specialist A | | | | | | | | | | | | - |
| Safety Specialist B | | 7,360 | | | | | | | | | | 7,360 |
| Safety Specialist C | | 3,680 | | | | | | | | | | 3,680 |
| Secretarial/Clerical | 920 | | | | | 920 | | | | | | 1,840 |
| Software Assurance | | | | | 3,680 | | | | | | - | 3,680 |
| Supervisor | 1,840 | | | | | | | | | | | 1,840 |
| Technical Expert A* | | | | | | | | | | | | - |
| Technical Expert B* | | | | | | | | | | 1,840 | | 1,840 |
| Technical Expert C* | | | | | | | | | | 1,840 | | 1,840 |
| Technical Expert D* | | | | 920 | 920 | | | | | | | 1,840 |
| Technical Writer* | 1,840 | | | | | | | | | | | 1,840 |
| Total Hours | 11,040 | 34,040 | 9,200 | 1,840 | 4,600 | 1,840 | 7,360 | 11,040 | 3,680 | 16,560 | 3,680 | 104,880 |

*As needed basis

| Standard Labor Categories Option 2 | 7.1 Integration | 7.2 Safety, Reliability, and Maintainability | 7.3 Quality Program | 7.4 Human Factors Engineering | 7.5 Safety and Mission Assurance Enhancements | 7.6 Training Development | 7.7 Range Safety | 7.8 Independent Assessments | 7.9 Metrology | 7.10 Expendable Launch Vehicle (ELV) Payload S&MA Program | 7.11 Information Technology | Summary Total |
|---------------------------------------|-----------------|---|---------------------|-------------------------------|--|--------------------------|------------------|-----------------------------|---------------|--|-----------------------------|----------------|
| Administrator | 3,680 | | | | | | | | | | | 3,680 |
| Computer/IT | | | | | | | | | | | 1,840 | 1,840 |
| Database Administrator | | | | | | | | | | | 1,840 | 1,840 |
| ELV Safety Engineer A | | | | | | | | | | 1,840 | | 1,840 |
| General Engineer A | | 1,840 | | | | | | | | | | 1,840 |
| General Engineer B | 920 | 1,840 | | | | 920 | | | | | | 3,680 |
| Independent Assessment Engineer A | | | | | | | | 3,680 | | | | 3,680 |
| Independent Assessment Engineer B | | | | | | | | 3,680 | | | | 3,680 |
| Independent Assessment Engineer C | | | | | | | | 3,680 | | | | 3,680 |
| Independent Assessment Engineer D | | | | | | | | | | | | - |
| Metrology/Calibration Engineer | | | | | | | | | 3,680 | | | 3,680 |
| Program Manager | 1,840 | | | | | | | | | | | 1,840 |
| Quality Engineer A | | | 3,680 | | | | | | | 1,840 | | 5,520 |
| Quality Engineer B | | | 1,840 | | | | | | | 5,520 | | 7,360 |
| Quality Engineer C | | | 3,680 | | | | | | | 1,840 | | 5,520 |
| Range Safety Engineer A | | | | | | | 1,840 | | | | | 1,840 |
| Range Safety Engineer C | | | | | | | 3,680 | | | | | 3,680 |
| Range Safety Specialist | | | | | | | 1,840 | | | | | 1,840 |
| Reliability Engineer A | | 1,840 | | | | | | | | | | 1,840 |
| Safety Engineer A | | 3,680 | | | | | | | | | | 3,680 |
| Safety Engineer B | | 6,440 | | 920 | | | | | | 1,840 | | 9,200 |
| Safety Engineer C | | 7,360 | | | | | | | | | | 7,360 |
| Safety Specialist A | | | | | | | | | | | | - |
| Safety Specialist B | | 7,360 | | | | | | | | | | 7,360 |
| Safety Specialist C | | 3,680 | | | | | | | | | | 3,680 |
| Secretarial/Clerical | 920 | | | | | 920 | | | | | | 1,840 |
| Software Assurance | | | | | 3,680 | | | | | | - | 3,680 |
| Supervisor | 1,840 | | | | | | | | | | | 1,840 |
| Technical Expert A* | | | | | | | | | | | | - |
| Technical Expert B* | | | | | | | | | | 1,840 | | 1,840 |
| Technical Expert C* | | | | | | | | | | 1,840 | | 1,840 |
| Technical Expert D* | | | | 920 | 920 | | | | | | | 1,840 |
| Technical Writer* | 1,840 | | | | | | | | | | | 1,840 |
| Total Hours | 11,040 | 34,040 | 9,200 | 1,840 | 4,600 | 1,840 | 7,360 | 11,040 | 3,680 | 16,560 | 3,680 | 104,880 |

*As needed basis

| Standard Labor Categories Option 3 | 7.1 Integration | 7.2 Safety, Reliability, and Maintainability | 7.3 Quality Program | 7.4 Human Factors Engineering | 7.5 Safety and Mission Assurance Enhancements | 7.6 Training Development | 7.7 Range Safety | 7.8 Independent Assessments | 7.9 Metrology | 7.10 Expendable Launch Vehicle (ELV) Payload S&MA Program | 7.11 Information Technology | Summary Total |
|---------------------------------------|-----------------|--|---------------------|-------------------------------|--|--------------------------|------------------|-----------------------------|---------------|--|-----------------------------|----------------|
| Administrator | 3,696 | | | | | | | | | | | 3,696 |
| Computer/IT | | | | | | | | | | | 1,848 | 1,848 |
| Database Administrator | | | | | | | | | | | 1,848 | 1,848 |
| ELV Safety Engineer A | | | | | | | | | | 1,848 | | 1,848 |
| General Engineer A | | 1,848 | | | | | | | | | | 1,848 |
| General Engineer B | 924 | 1,848 | | | | 924 | | | | | | 3,696 |
| Independent Assessment Engineer A | | | | | | | | 3,696 | | | | 3,696 |
| Independent Assessment Engineer B | | | | | | | | 3,696 | | | | 3,696 |
| Independent Assessment Engineer C | | | | | | | | 3,696 | | | | 3,696 |
| Independent Assessment Engineer D | | | | | | | | | | | | - |
| Metrology/Calibration Engineer | | | | | | | | | 3,696 | | | 3,696 |
| Program Manager | 1,848 | | | | | | | | | | | 1,848 |
| Quality Engineer A | | | 3,696 | | | | | | | 1,848 | | 5,544 |
| Quality Engineer B | | | 1,848 | | | | | | | 5,544 | | 7,392 |
| Quality Engineer C | | | 3,696 | | | | | | | 1,848 | | 5,544 |
| Range Safety Engineer A | | | | | | | 1,848 | | | | | 1,848 |
| Range Safety Engineer C | | | | | | | 3,696 | | | | | 3,696 |
| Range Safety Specialist | | | | | | | 1,848 | | | | | 1,848 |
| Reliability Engineer A | | 1,848 | | | | | | | | | | 1,848 |
| Safety Engineer A | | 3,696 | | | | | | | | | | 3,696 |
| Safety Engineer B | | 6,468 | | 924 | | | | | | 1,848 | | 9,240 |
| Safety Engineer C | | 7,392 | | | | | | | | | | 7,392 |
| Safety Specialist A | | | | | | | | | | | | - |
| Safety Specialist B | | 7,392 | | | | | | | | | | 7,392 |
| Safety Specialist C | | 3,696 | | | | | | | | | | 3,696 |
| Secretarial/Clerical | 924 | | | | | 924 | | | | | | 1,848 |
| Software Assurance | | | | | 3,696 | | | | | | - | 3,696 |
| Supervisor | 1,848 | | | | | | | | | | | 1,848 |
| Technical Expert A* | | | | | | | | | | | | - |
| Technical Expert B* | | | | | | | | | | 1,848 | | 1,848 |
| Technical Expert C* | | | | | | | | | | 1,848 | | 1,848 |
| Technical Expert D* | | | | 924 | 924 | | | | | | | 1,848 |
| Technical Writer* | 1,848 | | | | | | | | | | | 1,848 |
| Total Hours | 11,088 | 34,188 | 9,240 | 1,848 | 4,620 | 1,848 | 7,392 | 11,088 | 3,696 | 16,632 | 3,696 | 105,336 |

*As needed basis